

### **REMARKS**

Applicant requests entry of this Supplemental Amendment in response to the Examiner's Advisory Action. Applicant also requests entry of the amendment and response to the Final Office Action filed October 18, 2005. The present Supplementary Amendment addresses only those additional comments raised by the Examiner in the Advisory Action.

#### **I. Support for the Amendment**

Support for the amendment to claim 1 is found for example, at page 2, lines 22-23, which states that leptin is transported across the BBB by a specific transport mechanism. Additional support is found at page 3, lines 24-30, which states that the invention provides methods for modulating body weight.

#### **II. Patentability**

The Advisory Action sets out that Applicant, in response to the §103 rejection, is arguing a limitation that is not in the claims, specifically, the specificity of the transport of leptin across the blood brain barrier (BBB). Applicant has amended claim 1 to recite this mechanism of leptin transport, thereby obviating the Examiner's rejection.

Further, the Advisory Action indicates that the amendment to claim 1 in Applicant's response of October 18, 2005 broadened the claim. Claim 1 is amended herein to remove the phrase "a composition comprising exogenous leptin," to return the language of (i) to that in the previous amendment, and to recite that the effective amount of exogenous leptin is effective to modulate body weight. This amendment characterizes what the effective amount of leptin is effective for, thereby obviating the Examiner's rejection.

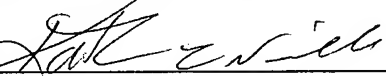
The Advisory Action does not identify any other outstanding rejection, and as such, Applicant presumes that the earlier objections to the claims and rejections under §112 set out in the Final Office Action are withdrawn.

### III. Conclusion

Applicant submits that the application is now in condition for allowance and respectfully request notice of the same.

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Respectfully submitted,

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